

GOVERNMENT OF PAKISTAN

UNITED NATIONS DEVELOPMENT PROGRAMME



UNDP

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(PAK/78/036)

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APPROVAL OF UNDP ASSISTANCE TO A PROJECT OF THE GOVERNMENT OF PAKISTAN

Watershed Management Research and Education
at the Pakistan Forest Institute, Peshawar (PAK/78/036)

Report of the Administrator*

Date of present approval:	April 1980
Starting date of project activities:	July 1980
Planned completion date:	January 1985
To be executed by:	Food and Agriculture Organization of the United Nations (FAO)
Government implementing agency:	Pakistan Forest Institute, Peshawar
Estimated cost of assistance planned under present approval:	\$1 650 200
Source of UNDP financing:	Indicative Planning Figure (IPF)

I. Background

1. The hydrologic function of most of Pakistan's forest and range lands has been seriously disrupted by improper land use practices. This has caused a multitude of downstream and on-site problems including flooding, excessive reservoir sedimentation which results in the loss of irrigation storage and the impairment of power generation potentials, damage to irrigation water distribution works, direct loss of productive agricultural land by erosion, direct damage to upstream infrastructural developments such as roads, houses, power lines, etc., reduced on-site productivity from both surface erosion and landslides, and the loss of springs and wells. A number of operational projects have been started to remedy this state of affairs. Their success depends heavily on the availability of trained personnel and the results of locally conducted problem-oriented research.

*In accordance with General Assembly resolution 2688 (XXV) and subsequent authorizations of the UNDP Governing Council, reports are issued seriatim on the approval of UNDP assistance of \$250,000 or more (including, if any, assistance financed by Government or by third-party cost sharing).

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2. Research in watershed management in Pakistan was started towards the end of 1965. In 1967, watershed management was included in the forestry curriculum. However, since 1969 no competent teacher or research worker trained in watershed management has been available to the Institute. This situation should be remedied as soon as possible, and an efficient nucleus for education and applied research in watershed management established to ensure efficient utilization of the considerable resources being committed to operational projects concerned with the problems of watershed management.

II. Objectives and activities

3. The immediate objectives of the project are to: (a) establish a nucleus for education and research in watershed management at the Pakistan Forest Institute; (b) assist, through curricula planning and lecturing, in implementing the courses presently being offered at the Pakistan Forest Institute for the degrees of Bachelor and Master of Science; (c) train 40 forestry graduates in watershed management at the level of Bachelor, and 25 at the level of Master, for service at the Pakistan Forest Institute and in the provinces; (d) supervise the training, including a fellowship programme abroad, of eight doctoral students; (e) plan and implement a comprehensive applied search and demonstration programme in watershed management and related fields; (f) co-operate in the training activities of the Sarhad Forest School, Abbottabad; (g) assist the Federal Ministry of Food and Agriculture, Co-operatives and Livestock in evaluating and co-ordinating watershed development activities throughout Pakistan, with particular emphasis in the northern region; and (h) provide technical support to the World Food Programme and to other FAO activities in the field of watershed management.

III. Inputs

4. Under the assistance now approved UNDP will provide, through the Executing Agency, the services of a project manager, a watershed management scientist and a conservation extension scientist. It will also provide for training and equipment.

5. The Government will provide a project director and other national staff. It will also provide locally available equipment.

IV. Financial data

6. The expenditure components of the planned assistance are as follows:

	\$
Personnel	721 900
Training	568 000
Equipment	320 500
Miscellaneous	<u>39 800</u>
	1 650 200

7. The estimated total value, expressed in US dollars, of the inputs provided directly by the Government to the project is \$244,600 in kind.

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